

Product datasheet for **SC334107**

GGT6 (NM_001288704) Human Untagged Clone

Product data:

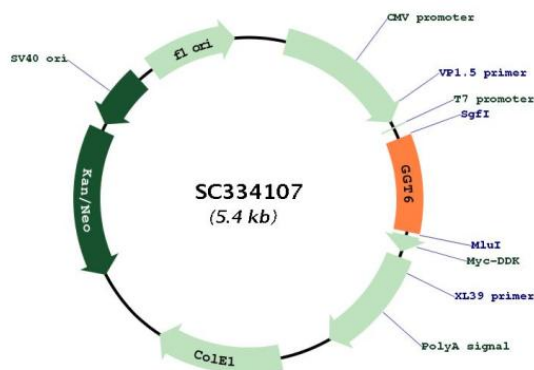
Product Type:	Expression Plasmids
Product Name:	GGT6 (NM_001288704) Human Untagged Clone
Tag:	Tag Free
Symbol:	GGT6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC334107 representing NM_001288704. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCGGGCAGAAGAGCCCGTGGTCTATCAGAAGCTGCTGCCCTGGGAGCCAAGCTTGGAGTCGGAG
GAGGAAGTGGAGGAGGAGGAGACATCAGAGGCGCTGGTTCTAAACCCCGGAGGCACCAGGACTCTTCC
AGGAACAAGGCTGGCGGGCTGCCCGAACCTGGGCCCGTGTAGTGGCAGCCCTGCTGCTGGCTGTT
GGCTGCTCCCTGGCTGTGAGGCAGCTCCAGAATCAGGGCAGGTCGACAGGAAGCTTGGGCTCTGTGGCC
CCTCCACCCGGCGGACACTCCCACGGCCCTGGCGTATACCACCAGGTGCCATCATCAGCCCTGCAGAC
TGCTGTGAGCCCCGAGAGCAGTGCCTGGCCCGCTGGACAGCAGCGGCTCTGTGCTCCTTCTCACCTC
CTCGCTCAACTGCTCCTTTGGCTCTGCACACCTGTCCCAAGCACTGGGGTTCTGCTCAGCAACCTGGT
GGCCAAGTCTACCACTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001288704

Insert Size: 501 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001288704.1](#)

RefSeq Size:	1966 bp
RefSeq ORF:	501 bp
Locus ID:	124975
UniProt ID:	Q6P531
Cytogenetics:	17p13.2
Protein Pathways:	Arachidonic acid metabolism, Cyanoamino acid metabolism, Glutathione metabolism, Metabolic pathways, Selenoamino acid metabolism, Taurine and hypotaurine metabolism
MW:	18 kDa
Gene Summary:	<p>GGT6 belongs to the gamma-glutamyltransferase (GGT; EC 2.3.2.2) gene family. GGT is a membrane-bound extracellular enzyme that cleaves gamma-glutamyl peptide bonds in glutathione and other peptides and transfers the gamma-glutamyl moiety to acceptors. GGT is also key to glutathione homeostasis because it provides substrates for glutathione synthesis (Heisterkamp et al., 2008 [PubMed 18357469]).[supplied by OMIM, Oct 2008]</p> <p>Transcript Variant: This variant (5) lacks an alternate exon in the 5' coding region and uses an alternate splice site in the 3' coding region, which results in a frameshift and an early stop codon, compared to variant 3. It encodes isoform e, which is shorter and has a distinct C-terminus compared to isoform c.</p>